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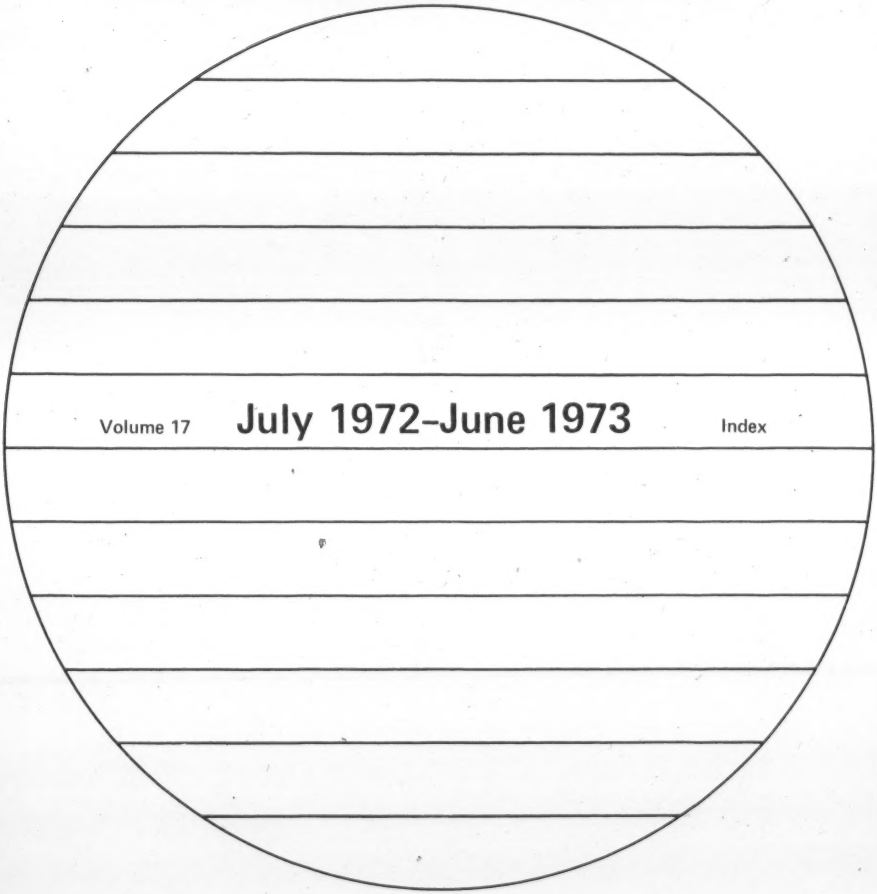

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4.30.20.20. Thermodynamics of Plasmas

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4.30.30.10. Plasma Sources and Discharges

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5.10.10.10. General Theory and Techniques

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5.20.20.15. Metals and Semimetals

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5.25.50.20. Strength and Strengthening Processes

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5.25.70. Mechanical and Acoustic Waves in Solids

5.25.70.20. Propagation of Elastic and Acoustic Waves (Including Ultrasonic Waves)

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5.30. THERMAL AND THERMODYNAMIC PHENOMENA

5.30.40. Phase Properties of Systems

5.30.40.20. Critical-Point Phenomena

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5.35. TRANSPORT PHENOMENA

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5.35.30.20. Electrical and Thermal Conductivity of Metals

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5.35.60.20. Self-Diffusion in Metals, Semimetals and Alloys

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5.45.20.20. Transition Temperature, Energy Gap, Critical Field and Critical Current

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5.50.40. Bulk Homogeneous Ferro–, Ferri–, and Antiferromagnetism

5.50.40.65. Magnetic Structures

Neutronographic Investigation of Magnetic Transformations of the Mn_2As–Mn_2Sb System (E)—Academician N. N. Sirota and V. M. Ryzhkovskii. 17(4), 370–3 (Oct. 1972); CPM-7210D0206

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5.55.20. Paramagnetic Resonances (e.g. EPR, ESR) and Relaxation

5.55.20.20. Paramagnetic Resonance of Iron Group (3d) Ions and Impurities (Ti–Cu)

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5.60.45. Infrared and Raman Spectra and Scattering in Solids

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5.70.20. X-Ray Interactions with Solids

5.70.20.20. Dynamical X-Ray Diffraction and Scattering

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5.70.85. Energy-Loss and Energy-Range Relations

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5.80. PHYSICS OF SURFACES, THIN FILMS, INTERFACES AND SMALL PARTICLES

5.80.10. Structural Properties of Surfaces, Thin Films, Interfaces, Whiskers and Dendrites

5.80.10.30. Surface and Crystal Structure

Molecular Structure of an Anisotropic Carbon Fiber (E/T)—V. I. Kasatochkin, Z. S. Smutkina, M. E. Kazakov, N. P. Radimov, A. P. Nabatnikov and T. D. Yares'ko. **17**(8), 741–3 (Feb. 1973); CPM-7302E0581

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5.80.10.40. Grain Boundaries and Twinning

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5.80.10.90. Other Topics on Structural Properties of Surfaces, etc.

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5.80.20. Chemical Properties and Treatments of Surfaces

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5.80.25. Impact Phenomena of Surfaces

5.80.25.20. Laser Impact Phenomena

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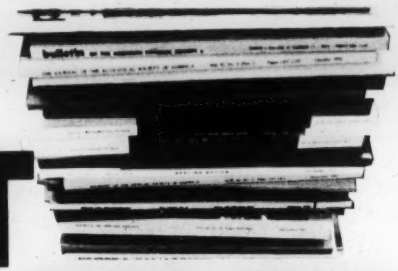

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